

A b s t r a c t

Method for Protecting Metallic Surfaces From Roughening

Gas turbine blades in power units or for electric power generation are subject to high thermal stress which is cyclic in nature and leads to a roughening of the metallic surface. According to the invention, the metallic surface is provided with a thin ceramic coating having a thickness of less than 50  $\mu\text{m}$ . Roughening can be avoided thereby.